

# Johann Osmond

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11929398/publications.pdf>

Version: 2024-02-01

12  
papers

1,344  
citations

1040056

9  
h-index

1372567

10  
g-index

12  
all docs

12  
docs citations

12  
times ranked

1850  
citing authors

#	ARTICLE	IF	CITATIONS
1	42 GHz pin Germanium photodetector integrated in a silicon-on-insulator waveguide. Optics Express, 2009, 17, 6252.	3.4	456
2	Zero-bias 40Gbit/s germanium waveguide photodetector on silicon. Optics Express, 2012, 20, 1096.	3.4	368
3	Optical switching at 1.55 $\mu\text{m}$ in silicon racetrack resonators using phase change materials. Applied Physics Letters, 2013, 103, .	3.3	185
4	Time-domain separation of optical properties from structural transitions in resonantly bonded materials. Nature Materials, 2015, 14, 991-995.	27.5	166
5	Quantum-confined Stark effect measurements in Ge/SiGe quantum-well structures. Optics Letters, 2010, 35, 2913.	3.3	61
6	Natural Random Nanotexturing of the Au Interface for Light Backscattering Enhanced Performance in Perovskite Solar Cells. ACS Photonics, 2018, 5, 2243-2250.	6.6	39
7	Emission Engineering in Germanium Nanoresonators. ACS Photonics, 2015, 2, 53-59.	6.6	27
8	40 Gb/s surface-illuminated Ge-on-Si photodetectors. Applied Physics Letters, 2009, 95, .	3.3	22
9	Formamidinium Incorporation into Compact Lead Iodide for Low Band Gap Perovskite Solar Cells with Open-Circuit Voltage Approaching the Radiative Limit. ACS Applied Materials & Interfaces, 2019, 11, 9083-9092.	8.0	9
10	Ge/Si (100) heterojunction photodiodes fabricated from material grown by low-energy plasma-enhanced chemical vapour deposition. Thin Solid Films, 2008, 517, 380-382.	1.8	6
11	40Gbit/s germanium waveguide photodetector on silicon. , 2012, , .		5
12	Ge-on-silicon waveguide photodetectors for optical telecommunications. Proceedings of SPIE, 2009, , .	0.8	0